

PATIENT

Scout Perkowski

SPECIES

Canine

BREED

German SH Pointer

SEX

Male Neutered

AGE

2 years

WEIGHT

68.8lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Diane McFadden

HOSPITAL NAME

North Warren Animal
Hospital

REFERRING VET

Dr. Corrado

INVOICE

32320

DATE

8/11/23

PRESENTING CLINICAL SIGNS

History: Exercise intolerance. Possible mass effect in LV vs marked artifact vs other. Grade 1/6 heart murmur. Sedated with Gabapentin and trazadone today, also had torbugesic injectable.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. Mild diffuse thickening of mitral valve leaflets with no prolapse into the left atrial lumen. Trivial central mitral regurgitation; normal left atrial dimension. Borderline LV dimension in diastole with a mildly increased systolic measurement (LVIDdN: 1.73, LVIDsN: 1.27) with mildly depressed myocardial function. Mild increase in sphericity. The tricuspid valve appears normal with no tricuspid regurgitation. Normal right atrial and ventricular diameter and morphology; no overt evidence of pulmonary arterial hypertension. The pulmonic and aortic valves are normal in morphology and mobility. No AI or PI appreciated. No pericardial or pleural effusion noted. No obvious cardiac masses.

CARDIAC CHART

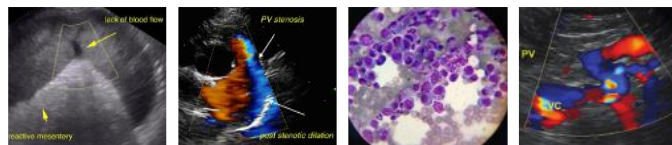
CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	NA	NA	1.2	1.3	22	40	0.3
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA 2D short axis Base view (cm)	LVIDd Avg; 2D and m-mode short axis (cm)	LVIDs Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6	BELOW	BELOW	BELOW	BELOW
PATIENT	96	1.3	1.2	31.2	3.0	4.7	3.7
*Normal chamber parameters expressed as a mean value (SD)				3	1.27 (5.3)	2.46 (2.46)	1.36 (5.5)
BODY WEIGHT DEPENDENT PARAMETERS				5	1.40 (4.5)	2.74 (5.2)	1.60 (4.7)
*Note: All measurements based upon multi-modal images and methods. An average value is reported.				10	1.50 (3.8)	3.27 (3.5)	2.06 (3.1)
				15	1.83 (2.0)	3.71 (2.4)	2.43 (2.1)
				20	2.02 (1.9)	4.14 (2.2)	2.80 (2.0)
				25	2.18 (2.4)	4.48 (2.9)	3.10 (2.5)
				30	2.33 (3.3)	4.83 (3.9)	3.39 (3.4)
				35	2.48 (4.3)	5.17 (5.0)	3.69 (4.5)
				40	2.62 (5.2)	5.48 (6.1)	3.96 (5.4)
				50	2.88 (7.1)	6.07 (8.3)	4.46 (7.4)

Adapted from June Boon, Veterinary Echocardiography, 1998
Rishniw M and Hollis NE, J Vet Intern Med 2000; 14:429-435
Hansson et al, Vet Rad and Ultrasound 2002
Bonagura et al. Echocardiography: principles of interpretation, Vet Clin North Am 15:1177, 1995

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The only abnormality identified is mild LV enlargement with mild systolic dysfunction. In a large breed athletic dog, this may very be a normal variant; however serial monitoring is advised to screen for development of cardiomyopathy. No cause for a murmur is identified and a flow murmur is suspected when not sedated. No additional issues are identified. No cause for the radiographic appearance is seen; consider a CXR review.

Given the recent evidence of grain free/boutique diets leading to DCM in some (but certainly not all) dogs, highly recommend a thorough diet history in this patient. If grain free, exotic ingredient



PATIENT

Scout Perkowski

or boutique brand (BEG), recommend immediate change to a more standard well formulated diet. Additionally, a thyroid level should be assessed as a possible contributing issue.

SPECIES

Canine

Even with mild changes seen here, exercise intolerance is not clearly explained, and an ECG and further systemic workup is recommended.

BREED

German SH Pointer

Monitor for development of a heart murmur, cough, labored breathing, exercise intolerance or collapse episodes. Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit.

SEX

Male Neutered

No cardiac contraindication for general anesthesia.

PLAN

Avoid BEG diets in this patient.

AGE

2 years

Recommend conservative monitoring with a recheck echocardiogram in 6 months, sooner if any development of clinical signs or a heart murmur.

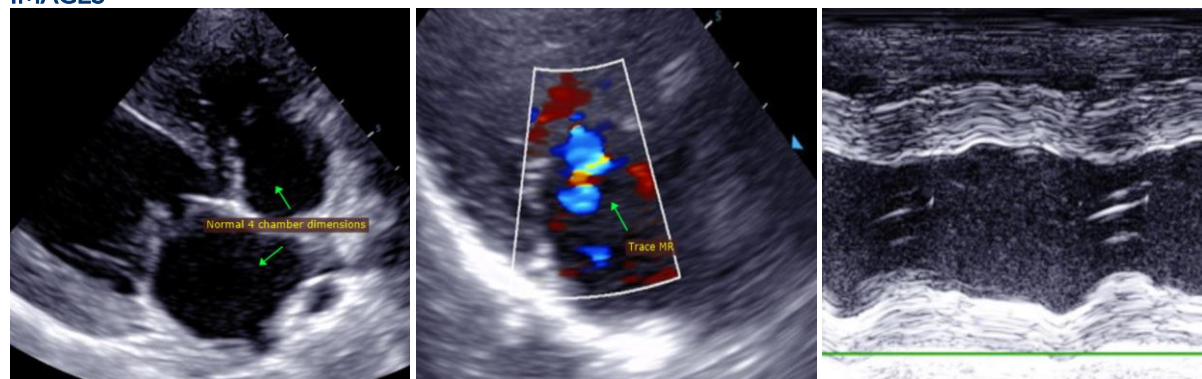
WEIGHT

68.8lbs

IMAGES

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)



IMAGING PERFORMED BY

Diane McFadden

The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

HOSPITAL NAME

North Warren Animal
Hospital

Thank you for this referral. This report was generated using transcription software, and minor dictation errors may be present. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

REFERRING VET

Dr. Corrado

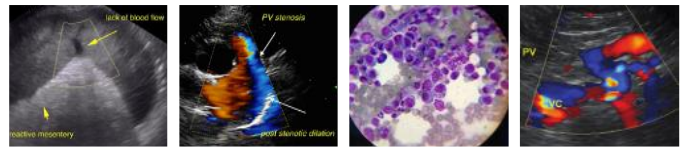
Maggie Machen Lamy, DVM
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
info@sonopath.com

INVOICE

32320

DATE

8/11/23



PATIENT

Scout Perkawski

SPECIES

Canine

BREED

German SH Pointer

SEX

Male Neutered

AGE

2 years

WEIGHT

68.8lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

**IMAGING
PERFORMED BY**

Diane McFadden

HOSPITAL NAME

North Warren Animal
Hospital

REFERRING VET

Dr. Corrado

INVOICE

32320

DATE

8/11/23